

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a message handler comprising:

a registration notification message receiver to receive a registration notification message directly from a home location register; and

a registration notification message forwarder integrated with said short message service center to forward said registration notification message received by a mobile switching center over an Internet connection to a device outside of a wireless network , a wireless chat participant corresponding to said forwarded registration notification message being added to a chat room based on said forwarded registration notification message.

2. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 1, wherein:

said internet connection utilizes a TCP/IP protocol.

3. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 1, wherein:

said registration notification message forwarder copies all registration notification messages received by said mobile switching center.

4. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 1, further comprising:

a wireless Internet gateway to transmit said forwarded notification message over said Internet connection.

5. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 4, wherein:

said registration notification message handler communicates with said wireless Internet gateway using a Signaling System #7 communications protocol.

6. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 1, wherein:

said registration notification message is previously forwarded by a Home Location Register (HLR).

7. (currently amended) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a message handler comprising:

an MSInactivity message receiver to receive an MSInactivity message ~~directly~~ from a home location register; and

an MSInactivity message forwarder integrated with said short message service center to forward said MSInactivity message received by a mobile switching center over an Internet connection to a device outside of a wireless network, a wireless chat participant corresponding to said forwarded MSInactivity message being added to a chat room based on said forwarded MSInactivity message.

8. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 7, wherein:

said internet connection utilizes a TCP/IP protocol.

9. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 7, wherein:

said MSInactivity message forwarder copies all MSInactivity messages received by said mobile switching center.

10. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 7, further comprising:

a wireless Internet gateway to transmit said forwarded MSInactivity message over said Internet connection.

11. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 10, wherein:

said MSInactivity message handler communicates with said wireless Internet gateway using a Signaling System #7 communications protocol.

12. (original) In a short message service center, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider including said short message service center, a handler according to claim 7, wherein:

said MSInactivity message is previously forwarded by a Home Location Register (HLR).

13. (currently amended) A method for automatically notifying an external chat server of a presence of a chat session participant, comprising:

receiving an IS-41 conforming registration notification message ~~directly~~ from a home location register at a short message service center; and

automatically forwarding said IS-41 conforming registration notification message from said short message service center over an Internet connection to an external chat server outside of a wireless network, a wireless chat participant corresponding to said forwarded IS-41 conforming registration notification message being added to a chat room based on said forwarded IS-41 conforming registration notification message.

14. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 13, wherein:

said registration notification message is a REGNOT message.

15. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 13, wherein:

said Internet connection utilizes a TCP/IP protocol.

16. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 13, wherein:

said registration notification message is additionally forwarded by an SMSC.

17. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 13, further comprising:

automatically adding a user corresponding to said automatically forwarded registration notification message to a chat session.

18. (previously presented) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 17, further comprising:

automatically notifying other chat participants regarding a presence of said automatically added user.

19. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 17, further comprising:

automatically sending a list of chat participants to said user.

20. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 13, wherein:

said registration notification message is signaling system #7 and IS-41 compliant.

21. (original) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 13, wherein:

said registration notification message is IS-41 compliant.

22. (currently amended) Apparatus for automatically notifying an external chat server of a presence of a chat session participant, comprising:

means for receiving an IS-41 conforming registration notification message ~~directly~~ from a home location register at a short message service center; and

means for automatically forwarding said IS-41 conforming registration notification message from said short message service center over an Internet connection to an external chat server outside of a wireless network, a wireless chat participant corresponding to said forwarded IS-41 conforming registration notification message being added to a chat room based on said forwarded IS-41 conforming registration notification message.

23. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 22, wherein:

said registration notification message is a REGNOT message.

24. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 22, wherein:

said Internet connection utilizes a TCP/IP protocol.

25. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 22, further comprising:

means for forwarding said registration notification message by an SMSC to said means for automatically forwarding.

26. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 22, further comprising:

means for automatically adding a user corresponding to said automatically forwarded registration notification message to a chat session.

27. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 26, further comprising:

means for automatically notifying other chat participants regarding a presence of the automatically added user.

28. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 26, further comprising:

means for automatically sending a list of chat participants to said user.

29. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 22, wherein:

said registration notification message is signaling system #7 and IS-41 compliant.

30. (original) The apparatus for automatically notifying an external chat server of a presence of a chat session participant according to claim 22, wherein:

said registration notification message is IS-41 compliant.

31. (currently amended) A method for automatically notifying an external chat server of a presence of a chat session participant, comprising:

receiving an IS-41 conforming MSInactivity notification message ~~directly~~ from a home location register at a short message service center; and

automatically forwarding said IS-41 conforming MSInactivity message from said short message service center over an Internet connection to an external chat server outside of a wireless network, a wireless chat participant corresponding to said forwarded IS-41 conforming MSInactivity notification message being added to a chat room based on said forwarded IS-41 conforming MSInactivity notification message.

32. (currently amended) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a message handler comprising:

a registration notification message receiver to receive a registration notification message; and

a registration notification message forwarder integrated with said service control point to forward said registration notification message over an Internet connection to a device outside of a wireless network, a wireless chat participant corresponding to said forwarded registration notification message being added to a chat room based on said forwarded registration notification message.

33. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 32, wherein:

said Internet connection utilizes a TCP/IP protocol.

34. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 32, wherein:

said registration notification message forwarder copies all registration notification messages received by a mobile switching center.

35. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider according to claim 32, further comprising:

a wireless Internet gateway to transmit said forwarded notification message over said Internet connection.

36. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 35, wherein:

said registration notification message handler communicates with said wireless Internet gateway using a Signaling System #7 communications protocol.

37. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 32, wherein:

said registration notification message is previously forwarded by a Home Location Register (HLR).

38. (currently amended) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a message handler comprising:

an MSInactivity message receiver to receive an MSInactivity message; and

an MSInactivity message forwarder integrated with said service control point to forward said MSInactivity message received by a mobile switching center over an Internet connection to a device outside of a wireless network, a wireless chat participant corresponding to said forwarded MSInactivity message being added to a chat room based on said forwarded MSInactivity message.

39. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 38, wherein:

said internet connection utilizes a TCP/IP protocol.

40. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 38, wherein:

said MSInactivity message forwarder copies all MSInactivity messages received by a mobile switching center.

41. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 38, further comprising:

a wireless Internet gateway to transmit said forwarded MSInactivity message over said Internet connection.

42. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 41, wherein:

said MSInactivity message handler communicates with said wireless Internet gateway using a Signaling System #7 communications protocol.

43. (previously presented) In a service control point, a module for permitting automatic status tracking of a wireless chat participant by an application external to a service provider, a handler according to claim 38, wherein:

said MSInactivity message is previously forwarded by a Home Location Register (HLR).

44. (currently amended) A method for automatically notifying an external device of a presence of a wireless device, comprising:

receiving an IS-41 conforming registration notification message from a mobile switching center; and

automatically forwarding said IS-41 conforming registration notification message from a service control point over an Internet connection to external device outside of a wireless network, a wireless chat participant corresponding to said forwarded IS-41 conforming registration notification message being added to a chat room based on said forwarded IS-41 conforming registration notification message.

45. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 44, wherein:

said registration notification message is a REGNOT message.

46. (previously presented) The method for automatically notifying an external chat server of a presence of a chat session participant according to claim 44, wherein:

said Internet connection utilizes a TCP/IP protocol.

47. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 44, wherein:

said registration notification message is additionally forwarded by an SMSC.

48. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 44, further comprising:

automatically adding a user corresponding to said automatically forwarded registration notification message to a chat session.

49. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 48, further comprising:

automatically notifying chat participants regarding a presence of the automatically added user.

50. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 48, further comprising:

automatically sending a list of chat participants to said user.

51. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 44, wherein:

said registration notification message is signaling system #7 and IS-41 compliant.

52. (previously presented) The method for automatically notifying an external device of a presence of a wireless device according to claim 44, wherein:

said registration notification message is IS-41 compliant.

53. (currently amended) Apparatus for automatically notifying an external device of a presence of a wireless device, comprising:

means for receiving an IS-41 conforming registration notification message from a mobile switching center; and

means for automatically forwarding said IS-41 conforming registration notification message from a service control point over an Internet connection to said external device outside of a wireless network, a wireless chat participant corresponding to said forwarded IS-41 conforming registration notification message being added to a chat room based on said forwarded IS-41 conforming registration notification message.

54. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 53, wherein:

said registration notification message is a REGNOT message.

55. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 53, wherein:

said Internet connection utilizes a TCP/IP protocol.

56. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 53, further comprising:

means for forwarding said registration notification message by an SMSC to said means for automatically forwarding.

57. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 53, further comprising:

means for automatically adding a user corresponding to said automatically forwarded registration notification message to a chat session.

58. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 57, further comprising:

means for automatically notifying other chat participants regarding a presence of said automatically added user.

59. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 57, further comprising:

means for automatically sending a list of chat participants to said user.

60. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 53, wherein:

said registration notification message is signaling system #7 and IS-41 compliant.

61. (previously presented) The apparatus for automatically notifying an external device of a presence of a wireless device according to claim 53, wherein:

said registration notification message is IS-41 compliant.

62. (currently amended) A method for automatically notifying an external device of a presence of a wireless device, comprising:

receiving an IS-41 conforming MSInactivity notification message from a mobile switching center; and

automatically forwarding said IS-41 conforming MSInactivity message from a service control point over an Internet outside of a wireless network, a wireless chat participant corresponding to said forwarded IS-41 conforming MSInactivity notification message being added to a chat room based on said forwarded IS-41 conforming MSInactivity notification message.